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TECH CENTER 1600/2900

1

SEQUENCE LISTING

<110> HOLM, ARNE
LARSEN, BJARNE

<120> IMPROVED SOLID-PHASE PEPTIDE SYNTHESIS AND AGENT FOR
USE IN SUCH SYNTHESIS

<130> 55503 (45487)

<140> 09/551,336
<141> 2000-04-18

<150> 09/254,523
<151> 1999-03-09

<150> PCT/DK97/00375
<151> 1997-09-09

<150> DK 0971/96
<151> 1996-09-09

<160> 43

<170> PatentIn Ver. 2.1

<210> 1
<211> 11
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> this peptide may also encompass a deletion
peptide of 2-9 Ala

<400> 1
Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys
1 5 10

<210> 2
<211> 7
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2
Ala Ala Ala Ala Ala Ala Ala
1 5

<210> 3
<211> 11
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 3
Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys
1 5 10

<210> 4
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 4
Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys
1 5 10

<210> 5
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 5
Ala
1 5 10 15

Ala Ala Ala Ala Lys Lys Lys
20

<210> 6
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 6
Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys Lys Lys
1 5 10 15

<210> 7
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 7
Ala
1 5 10 15

Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
20 25

<210> 8
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: acyl carrier protein (65-74)

<400> 8
Val Gln Ala Ala Ile Asp Tyr Ile Asn Gly
1 5 10

<210> 9
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: acyl carrier protein (65-74)-(Lys)6

<400> 9
Val Gln Ala Ala Ile Asp Tyr Ile Asn Gly Lys Lys Lys Lys Lys Lys
1 5 10 15

<210> 10
<211> 17
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES

<222> (11)

<223> Lys(tBoc) -HMPA

<220>

<221> MOD_RES

<222> (12)..(17)

<223> Lys(tBoc)

<400> 10

Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys

<210> 11

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<221> MOD_RES

<222> (11)

<223> Lys-MMa

<220>

<221> MOD_RES

<222> (12)..(17)

<223> Lys(tBoc)

<400> 11

Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys

<210> 12

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> this peptide may also encompass a deletion
peptide of 10 Ala

<220>

<223> this peptide may also encompass a deletion
peptide of 1 or 3 Lys

<400> 12

Ala
1 5 10 15

Ala Ala Ala Ala Lys Lys Lys Lys Lys
20 25

<210> 13

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> this peptide may also encompass a deletion
peptide of 10 Ala

<400> 13

Ala
1 5 10 15

Ala Ala Ala Ala Lys Lys Lys Lys Lys
20 25

<210> 14

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 14

Ala
1 5 10 15

Ala Ala Ala Ala
20

<210> 15

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 15

Lys Lys Lys Lys Lys
1 5

<210> 16
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (1)..(6)
<223> Glu(tBu)

<400> 16
Glu Glu Glu Glu Glu Glu
1 5

<210> 17
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (1)..(2)
<223> Glu(tBu)Lys(tBoc)

<220>
<221> MOD_RES
<222> (3)..(4)
<223> Glu(tBu)Lys(tBoc)

<220>
<221> MOD_RES
<222> (5)..(6)
<223> Glu(tBu)Lys(tBoc)

<400> 17
Glu Lys Glu Lys Glu Lys
1 5

<210> 18
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 18
Val Asn Val Asn Val Gln Val Gln Val Asp
1 5 10

<210> 19
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 19
Val Asn Val Asn Val Gln Val Gln Val Asp Lys Lys Lys Lys Lys Lys
1 5 10 15

<210> 20
<211> 5
<212> PRT
<213> Homo sapiens

<220>
<223> Enkephalin

<400> 20
Tyr Gly Gly Phe Leu
1 5

<210> 21
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (1)..(6)
<223> Lys(tBoc)

<400> 21
Lys Lys Lys Lys Lys Lys
1 5

<210> 22
<211> 6

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (1)..(6)
<223> Lys(tBoc)

<400> 22
Lys Lys Lys Lys Lys Lys
1 5

<210> 23
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 23
Glu Glu Glu Glu Glu Glu
1 5

<210> 24
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (1)..(6)
<223> Lys(tBoc)

<220>
<221> MOD_RES
<222> (7)
<223> HMPA-Lys(tBoc)

<400> 24
Lys Lys Lys Lys Lys Lys Ala Ala Ala Ala Ala Ala Ala
1 5 10 15

Ala

<210> 25
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (1)..(6)
<223> Lys(tBoc)

<220>
<221> MOD_RES
<222> (7)
<223> MMA-Lys

<400> 25
Lys Lys Lys Lys Lys Lys Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10 15

Ala

<210> 26
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 26
Lys Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10

<210> 27
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (1)
<223> MMA-Lys

<400> 27
Lys Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10

<210> 28
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (11)..(13)
<223> Lys(Boc)

<400> 28
Ala Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys
1 5 10

<210> 29
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 29
Ala
1 5 10 15

Ala Ala Ala Ala Lys Gly Lys Gly Lys Gly Lys
20 25

<210> 30
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> this peptide may also encompass a deletion peptide of 16-19 Ala

<400> 30
Ala
1 5 10 15

Ala Ala Ala Ala Lys Lys Lys
20

<210> 31
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (11)
<223> Lys(Boc)-OCH2-HMPA

<220>
<221> MOD_RES
<222> (12)..(17)
<223> Lys(Boc)

<400> 31
Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys

<210> 32
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (11)
<223> Lys(Boc)-OCH-MMa

<400> 32
Ala Ala Ala Ala Ala Ala Ala Ala Lys
1 5 10

<210> 33
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (11)
<223> Lys(Boc)-OCH-MMa

<220>
<221> MOD_RES
<222> (12)..(17)
<223> Lys(Boc)

<400> 33
Ala Ala Ala Ala Ala Ala Ala Ala Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys

<210> 34
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> this peptide may also encompass a deletion
peptide of 6-9 Ala

<400> 34
Ala Ala Ala Ala Ala Ala Ala Ala Lys
1 5 10

<210> 35
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<221> MOD_RES
<222> (11)
<223> Lys(Boc)-OCH-MMa-CO

<220>
<221> MOD_RES
<222> (12)..(17)
<223> Glu(OtBu)

<400> 35
Ala Ala Ala Ala Ala Ala Ala Ala Lys Glu Glu Glu Glu Glu
1 5 10 15

Glu

<210> 36
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (1)..(6)
<223> Glu(OtBu)

<400> 36
Glu Glu Glu Glu Glu Glu
1 5

<210> 37
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 37
Tyr Gly Gly Phe Leu Lys Lys Lys Lys Lys Lys
1 5 10

<210> 38
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (2)..(7)
<223> Lys(Boc)

<400> 38
Leu Lys Lys Lys Lys Lys Lys
1 5

<210> 39
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (3)..(8)
<223> Lys(Boc)

<400> 39
Phe Leu Lys Lys Lys Lys Lys Lys
1 5

<210> 40
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (4)..(9)
<223> Lys(tBoc)

<400> 40
Gly Phe Leu Lys Lys Lys Lys Lys Lys
1 5

<210> 41
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (5)..(10)
<223> Lys(tBoc)

<400> 41
Gly Gly Phe Leu Lys Lys Lys Lys Lys Lys
1 5 10

<210> 42
<211> 11
<212> PRT
<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic
peptide

<220>
<221> MOD_RES
<222> (6)..(11)
<223> Lys(tBoc)

<400> 42
Tyr Gly Gly Phe Leu Lys Lys Lys Lys Lys Lys
1 5 10

<210> 43
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 43
Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10